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| | | Application Number | NEW | | |
| | | Filing Date | September 25, 2006 | | |
| | | First Named Inventor | Kenichi MIYAGUCHI | | |
| | | Art Unit | N/A | | |
| | | Examiner Name | Not Yet Assigned | | |
| | | Attorney Docket Number | 1163-0584PUS1 | | |
| Sheet | 1 | of | 1 | | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | AA* | US-2004/0145429-A1 | 07-29-2004 | Hieda et al. | |
| | AB* | US-5,701,107-A | 12-23-1997 | KASAHARA et al. | |
| | AC* | US-2003/0020563-A1 | 01-06-2004 | Hieda et al. | |
| | AD* | US-6,137,377-A | 10-24-2000 | WALLACE et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|--|--------------------------------|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | BA | JP-1-202007-A | 08-15-1989 | | | ISR |
| | BB | JP-48-102548-A | 12-22-1973 | | | ISR |
| | BC | JP-2001-339276-A | 12-07-2001 | | | ISR |
| | BD | JP-8-250963-A | 09-27-1996 | | | ISR |
| | BE | JP-2002-344201-A | 11-29-2002 | | | ISR |
| | BF | WO-2002/056467-A1 | 07-18-2002 | | | ISR |
| | BG | JP-2004-48176-A | 02-12-2004 | | | ISR |
| | BH | JP-7-33026-U | 06-16-1995 | | | ISR |
| | BI | WO-2005/093951-A1 | 10-06-2005 | | | ABS |

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| | CA | Masashi NAKATANI et al., Information and Communication Engineers Electronics Society Taikai Koen Ronbunshu 1, 10 September, 2003, C-2-2, page 26 | ISR |
| | CB | C. F Campbell et al., "A Compact 5-Bit Phase Shifter MMIC for K-Band Satellite Communications Systems", IEEE IMS2000 Proceedings | |

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| Examiner Signature | /Don Le/ | Date Considered | 04/26/2008 |
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